

Title (en)

Heat recovery from a gasification system

Title (de)

Wärmerückgewinnung von einem Vergasungssystem

Title (fr)

Récupération de chaleur à partir d'un système de gazéification

Publication

EP 2562373 B1 20181114 (EN)

Application

EP 12181095 A 20120820

Priority

US 201113215090 A 20110822

Abstract (en)

[origin: EP2562373A1] A heat recovery system for use with a gasification system (10) is provided. One system includes a gasification system (10) and an organic Rankine cycle system (90) coupled to the gasification system (10). The organic Rankine cycle system (90) is configured to receive heated fluid (94) from the gasification system (10) and to deliver cooled fluid (96) to the gasification system (10). The organic Rankine cycle system (90) is configured to produce power by converting heat energy in the heated fluid (94).

IPC 8 full level

F01K 23/06 (2006.01); **C01B 17/04** (2006.01); **F01K 23/10** (2006.01); **F01K 25/10** (2006.01); **C10J 3/86** (2006.01); **C10K 1/00** (2006.01)

CPC (source: EP KR US)

C01B 17/0404 (2013.01 - EP US); **C10J 3/86** (2013.01 - EP US); **C10K 1/003** (2013.01 - EP US); **F01K 19/04** (2013.01 - KR); **F01K 23/068** (2013.01 - EP US); **F01K 23/10** (2013.01 - EP US); **F01K 25/08** (2013.01 - KR); **F01K 25/10** (2013.01 - EP US); **F01K 27/00** (2013.01 - KR); **C01B 2203/0485** (2013.01 - EP US); **C01B 2203/0883** (2013.01 - EP US); **C01B 2203/0894** (2013.01 - EP US); **C01B 2203/84** (2013.01 - EP US); **C10J 2300/0959** (2013.01 - EP US); **C10J 2300/0976** (2013.01 - EP US); **C10J 2300/1653** (2013.01 - EP US); **C10J 2300/1678** (2013.01 - EP US); **C10J 2300/1884** (2013.01 - EP US); **C10J 2300/1892** (2013.01 - EP US); **Y02E 20/16** (2013.01 - EP US); **Y02E 20/18** (2013.01 - EP US); **Y02P 20/10** (2015.11 - EP US); **Y02P 20/129** (2015.11 - EP US)

Citation (examination)

WO 2009142608 A2 20091126 - SIEMENS ENERGY INC [US], et al

Cited by

AT518186A4; AT518186B1; US9003796B2; WO2013184274A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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DOCDB simple family (application)

EP 12181095 A 20120820; CN 201210300038 A 20120822; JP 2012181519 A 20120820; KR 20120091488 A 20120821; US 201113215090 A 20110822